

Title (en)

ON-VEHICLE IMAGE PROCESSING DEVICE AND ITS VIEWPOINT CONVERSION INFORMATION GENERATION METHOD

Title (de)

BILDVERARBEITUNGSEINRICHTUNG IN EINEM FAHRZEUG UND
ANSICHTSPUNKTUMSETZUNGSINFORMATIONSERZEUGUNGSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF DE TRAITEMENT D'IMAGE EMBARQUÉ ET SON PROCÉDÉ DE GÉNÉRATION D'INFORMATIONS DE CONVERSION DE POINT
DE VUE

Publication

EP 2053860 A4 20100120 (EN)

Application

EP 07768329 A 20070706

Priority

- JP 2007063604 W 20070706
- JP 2006223278 A 20060818

Abstract (en)

[origin: EP2053860A1] To provide a vehicle-installed image processing apparatus and an eye point conversion information generation method of the apparatus capable of easily providing an appropriate virtual image responsive to the vehicle model. A projection model storage section 41 stores position information of a plurality of points on a predetermined projection model. A computation section 30 references the projection model storage section 41 and acquires position information of a virtual image correspondence point of a point corresponding to a pixel of the virtual image in an area on the projection model specified as a target of the virtual image by an output range specification section 20. The computation section 30 finds the pixel of a real image corresponding to the virtual image correspondence point, acquires a mapping table indicating the correspondence between the pixels of the virtual image and the pixels of the real image, and records the mapping table in a mapping table storage section 42. An image synthesis section 50 references the mapping table storage section 42 and converts an image input from an image pickup section 10 into a virtual image viewed from a predetermined virtual eye point.

IPC 8 full level

G06T 1/00 (2006.01); **G06T 3/00** (2006.01); **G06T 5/00** (2006.01); **G08G 1/16** (2006.01); **H04N 7/18** (2006.01)

CPC (source: EP US)

G06T 3/00 (2013.01 - EP US); **G06T 5/80** (2024.01 - EP US); **G08G 1/16** (2013.01 - EP US); **G06T 2207/30252** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 2053860 A1 20090429; **EP 2053860 A4 20100120**; CN 101513062 A 20090819; JP 2008048266 A 20080228; JP 5013773 B2 20120829; US 2010165105 A1 20100701; WO 2008020516 A1 20080221

DOCDB simple family (application)

EP 07768329 A 20070706; CN 200780030779 A 20070706; JP 2006223278 A 20060818; JP 2007063604 W 20070706; US 37796407 A 20070706